Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1-38 (withdrawn)
- 39. (cancelled)
- 40. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the precipitate is soluble to at least 5.0 wt % in hydrocarbons.
- 41. (currently amended) A well bore treatment fluid The method according to claim 40, wherein the precipitate is soluble to at least 10.0 wt % in hydrocarbons.
- 42. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the precipitate is less than 1.0 wt % soluble in water.
- 43. (currently amended) A well bore treatment fluid The method according to claim 42, wherein the precipitate is less than 0.10 wt % soluble in water.
- 44. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the melting point of the precipitate is over 50°C.
- 45. (currently amended) A well bore treatment fluid The method according to claim 44, wherein the melting point of the precipitate is over 100°C.
- 46-49. (cancelled).

- 50. (currently amended) A well bore treatment fluid The method according to claim 39 $\underline{67}$, wherein the precipitate is a divalent or trivalent metal salt of an α -branched carboxylic acid.
- 51. (currently amended) A well bore treatment fluid The method according to claim 50, wherein the precipitate has the structure:

$$(R_1COO^-)_nM^{n+}$$

wherein:

 R_1 is a C_{30} - C_5 aliphatic group having a C_{20} - C_4 linear chain bonded at a terminal carbon atom thereof (the α carbon atom) to the carbon atom of the carboxyl (COO) group, and further having at least one C_1 , C_2 or C_3 side group bonded to said terminal carbon atom, and

M is a divalent or trivalent metal cation.

- 52. (currently amended) A well bore treatment fluid The method according to claim 51, wherein two of said side groups are bonded to said terminal carbon atom.
- 53. (currently amended) A well bore treatment fluid The method according to claim 13, wherein the precipitate has the structure:

$$(R_2COO^-)_nM^{n+}$$

wherein:

 R_2 is a C_{10} - C_{30} cyclyl group bonded at a carbon atom thereof (the α carbon atom) to the carbon atom of the carboxyl (COO) group, and having at least one C_1 , C_2 or C_3 side group bonded to the α carbon atom, and

M is a divalent or trivalent metal cation.

- 54. (currently amended) A well bore treatment fluid The method according to claim 53, wherein R_2COO^- is an abietate group.
- 55. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the compound is immiscible in a solvent fully miscible with water.

- 56. (currently amended) A well bore treatment fluid The method according to claim 39 $\underline{67}$, wherein the α -branched carboxylic acid is abietic acid.
- 57. (currently amended) A well bore treatment fluid The method according to claim 56, wherein the precipitate is a divalent or trivalent metal salt of abietic acid.
- 58. (currently amended) A well bore treatment fluid The method according to claim 56, wherein the precipitate is polymerised abietic acid.
- 59. (currently amended) A well bore treatment fluid The method according to claim 56, wherein the precipitate is a divalent or trivalent metal salt of polymerised abietic acid.
- 60. (currently amended) A well-bore treatment fluid The method according to claim 56, wherein the precipitate is a phenolic co-polymer of abietic acid.
- 61. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the dissolved compound is a divalent or trivalent metal salt.
- 62. (currently amended) A well bore treatment fluid The method according to claim 61, wherein the divalent metal is selected from the group consisting of calcium, magnesium and zinc.
- 63. (currently amended) A well bore treatment fluid The method according claim 39 67, wherein said dissolved compound is a precursor, the precursor being degradable to form the carboxylate anion of a divalent or trivalent metal salt.
- 64. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the precipitate has the structure:

65. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the precipitate has the structure:

66. (currently amended) A well bore treatment fluid The method according to claim 39 67, wherein the precipitate has the structure:

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- 67. (currently amended) A method of reducing the outflow of water during recovery of hydrocarbons from a hydrocarbon reservoir in a formation, comprising:
- (a) providing a non-aqueous well bore treatment fluid based on a liquid selected from oil or a mixture of oil and solvent such that said treatment fluid is not fully miscible with water, said treatment fluid containing 5 to 40 weight per cent of a water-immiscible dissolved compound based on α -branched carboxylic acid, derivatives or co-polymers thereof, and capable of forming a precipitate that is substantially soluble in hydrocarbons and substantially insoluble in water, and
 - (b) injecting said non-aqueous treatment fluid into a well bore; and
 - (c) letting the non-aqueous fluid permeate formation surrounding the well bore
- (d) causing or allowing water or brine to mix with the non-aqueous fluid within the formation, to form a said precipitate therein and reduce the outflow of water therefrom.
- 68. (previously presented)A method according to claim 67, further comprising the step of injecting acid into the well bore.
- 69. (previously presented)A method according to claim 67, further comprising the step of delaying precipitation.
- 70. (previously presented)A method according to claim 69, wherein precipitation is delayed by injecting a spacer fluid into the formation before the treatment fluid.
- 71. (previously presented)A method according to claim 67, further comprising the step of injecting water or brine into the formation.
- 72. (previously presented)A method according to claim 67, further comprising the step of reversing flow direction in the well bore to resume hydrocarbon production.

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- 73. (currently amended) A method of reducing the outflow of water during recovery of hydrocarbons from a hydrocarbon reservoir in a formation, comprising:
- (a) providing a non-aqueous well bore treatment fluid based on a liquid selected from oil or a mixture of oil and solvent such that said treatment fluid is not fully miscible with water, said treatment fluid containing 5 to 40 weight per cent of a water-immiscible dissolved compound based on α -branched carboxylic acid, derivatives or co-polymers thereof, and capable of forming a precipitate that is substantially soluble in hydrocarbons and substantially insoluble in water, and
 - (b) injecting said non-aqueous treatment fluid into a well bore;
 - (c) injecting water or brine into the wellbore; and
- (d) letting the <u>non-aqueous</u> treatment fluid permeate a formation surrounding the well bore to form <u>precipitate</u> <u>precipitates</u> in the presence of water <u>or brine</u> in the formation or the injected water or brine to reduce the outflow of water from the formation.
- 74. (new) The method of claim 67 wherein the well bore treatment fluid is oil-based.
- 75. (new) The method of claim 67 wherein the well bore treatment fluid is based on a mixture of solvent and oil.
- 76. (new) The method of claim 67 further comprising a step of injecting a spacer fluid without said water-immiscible dissolved compound into the formation before the treatment fluid.
- 77. (new) The method of claim 73 further comprising a step of injecting a spacer fluid without said water-immiscible dissolved compound into the formation before the treatment fluid.
- 78 (new) The method of claim 76 wherein the spacer fluid is selected from oil or a mixture of oil and solvent such that said spacer fluid is not fully miscible with water.

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79 (new) The method of claim 67 wherein said reservoir comprises a plurality of oil-producing layers.